



(11) **EP 1 862 750 A8**

(12) **CORRECTED EUROPEAN PATENT APPLICATION**

published in accordance with Art. 158(3) EPC

Note: Bibliography reflects the latest situation

(15) Correction information:

Corrected version no 1 (W1 A1)

Bibliography INID code(s) 30, 72

(51) Int Cl.:

F25B 41/06 (2006.01) **F25B 1/00** (2006.01)

F25B 11/02 (2006.01)

(48) Corrigendum issued on:

26.03.2008 Bulletin 2008/13

(86) International application number:

PCT/JP2006/304366

(43) Date of publication:

05.12.2007 Bulletin 2007/49

(87) International publication number:

WO 2006/103886 (05.10.2006 Gazette 2006/40)

(21) Application number: **06715336.1**

(22) Date of filing: **07.03.2006**

(84) Designated Contracting States:

**AT BE BG CH CY CZ DE DK EE ES FI FR GB GR
HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI
SK TR**

(30) Priority: **25.03.2005 JP 2005088817**

(71) Applicant: **DAIKIN INDUSTRIES, LTD.**

Osaka-shi, Osaka 530-8323 (JP)

(72) Inventors:

- **OKAMOTO, Masakazu,**
c/o Kanaoka Factory, Sakai Plant,
Daikin Industries, Ltd.,
Sakai-shi,
Osaka, 591-8511 (JP)
- **KUMAKURA, Eiji,**
c/o Kanaoka Factory, Sakai Plant,
Daikin Industries, Ltd.,
Sakai-shi,
Osaka, 591-8511 (JP)

- **OKAMOTO, Tetsuya,**
c/o Kanaoka Factory, Sakai Plant,
Daikin Industries, Ltd.,
Sakai-shi,
Osaka, 591-8511 (JP)
- **SAKITANI, Katsumi,**
c/o Kanaoka Factory, Sakai Plant,
Daikin Industries, Ltd.,
Sakai-shi,
Osaka, 591-8511 (JP)

(74) Representative: **HOFFMANN EITLE**

Patent- und Rechtsanwälte
Arabellastrasse 4
81925 München (DE)

(54) **REFRIGERATING APPARATUS**

(57) A buffer container (71) is connected to an out-flow port (33) of an expansion mechanism (60). The buffer container (71) is shaped like a cylinder extending in the direction of refrigerant flow and has a greater transverse cross sectional area than that of the outflow port (33). The buffer container (71) contains therein a flow stabilizing plate (75) having a mesh part (75a) shaped like a circular plate. The variation in pressure is reduced by pressure supply and pressure absorption by the buffer container (71) and, in addition, refrigerant droplets are made fine in size during passage through the flow stabilizing plate (75).

FIG. 3A

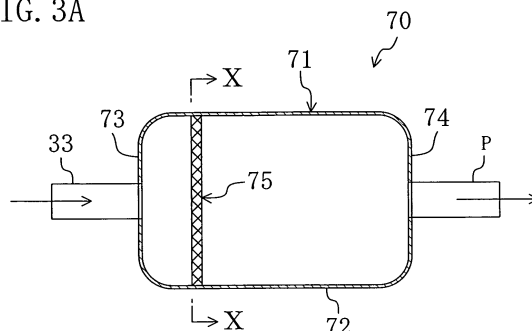


FIG. 3B

